Landscaping and Turf Management

Course Description: Landscaping and Turf Management includes standards to prepare students for creating beautiful environments for homes and businesses. This course includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy attractive landscapes and turf areas will be emphasized. With the increase of urban sprawl these career opportunities are increasing daily. Plant science and leadership skills taught in this class will prepare students to meet the demands of this exciting industry.

Recommended Prerequisites: Principles of Horticultural Sciences, Agriscience (HQ), or Principles of Agricultural Sciences

Recommended Credit: 1

Recommended Grade Level: 10th, 11th, or 12th

Course Codes:**   A10 – **5113** or A12 - **5163**

** Use A12 Course Code number for all programs. A10 should be used for 10 month programs only.

Landscaping and Turf Management

Standard 1.0

Specify correct procedures for handling pesticides and using general safety practices in the landscaping and turf industry.

Standard 2.0

Analyze the meaning and purpose of landscaping, the skills required for construction and maintenance of a landscape.

Standard 3.0

Evaluate business concepts needed in a landscaping business.

Standard 4.0

Select the proper trees and shrubs to use and maintain in a landscape.

Standard 5.0

Evaluate the use of various ground covers, vines and other landscape plants.

Standard 6.0

Investigate different aspects of management of turf grasses.

Standard 7.0

Apply art concepts to various landscape designs.

Standard 8.0

Assess cost estimates for various landscape designs and packages.

Standard 9.0

Evaluate the use of water in landscaping.

Standard 10.0

Develop premier leadership and personal growth to strengthen landscaping skills.

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Standard 1.0
Specify correct procedures for handling pesticides and using general safety practices in the landscaping and turf industry.
Learning Expectations and Performance Indicators:
1.1   Follow industry safety standards related to the landscaping and turf industry.
1.2   Evaluate proper chemical/pesticide safety standards.
1.3   Assess the purpose of worker protection standards.
1.4   Compare the uses and types of chemicals used with landscaping and turf grasses.
1.5   Complete safety test with 100 percent accuracy.
1.6   Obtain the worker protection standards student industry certification.

Standard 2.0
Analyze the meaning and purpose of landscaping, the skills required for construction and maintenance of a landscape.
Learning Expectations and Performance Indicators:
2.1   Evaluate job opportunities available in landscaping and turf grass management.
2.2   Select equipment that would be used in a landscaping business.
2.3   Assess interpersonal, business and technical skills needed in landscaping.
2.4   Read a topographical and soil map to determine land suitability for plants.
2.5   Discuss basic principles for the proper care of a landscape after its installation.
2.6   Determine pest control methods for landscape plants after installation.

Standard 3.0
Evaluate business concepts needed in a landscaping business.
Learning Expectations and Performance Indicators:
3.1   Compare three legal forms of business operation.
3.2   Examine components of a business in landscaping.
3.3   Evaluate skills and resources needed in starting a small business.

Standard 3.0
Select the proper trees and shrubs to use and maintain in a landscape.
Learning Expectations and Performance Indicators:
4.1   Select trees and shrubs for a specific area in a landscape or hardiness zone.
4.2   Evaluate planting techniques for trees and shrubs.
4.3   Assess types of mulches and fertilizers available for trees and shrubs.

4.4 Distinguish between bare-root, ball and burlap, and containerized trees and shrubs.
4.5 Diagram the basic parts of a tree and a shrub.
4.6 Evaluate techniques for pruning and caring for trees and shrubs.

Standard 5.0
Evaluate the use of various ground covers, vines and other landscape plants.
Learning Expectations and Performance Indicators:
5.1 Distinguish between ground covers and vines.
5.2 Evaluate and explain methods of installing vines and ground covers.
5.3 Illustrate how vines and ground covers solve special landscape problems.
5.4 Distinguish between perennials, annuals and biennials.

Standard 6.0
Investigate different aspects of management of turf grasses.
Learning Expectations and Performance Indicators:
6.1 Evaluate the functions and components of a turf grass.
6.2 Evaluate different turf grasses as they are adapted to particular hardiness zones.
6.3 Determine site selection and preparation for turf grass establishment.
6.4 Evaluate the methods of lawn installation.
6.5 Determine pH and nutrient needs for turf grass establishment and maintenance.
6.6 Identify equipment needed to install and maintain turf.
6.7 Identify common pests of turf grass.
6.8 Determine pest control methods for the maintenance of turf grass.
6.9 Evaluate special needs in the management of residential, commercial, and sports turf.

Standard 7.0
Apply art concepts to various landscape designs.
Learning Expectations and Performance Indicators:
7.1 Determine and explain the functions of basic drafting tools, including computer design programs.
7.2 Draw and compare the different styles of lettering and symbols used in landscaping.
7.3 Use instruments needed for landscape designing.
7.4 Analyze a proposed landscape site's suitability for plants and develop a design for it.
7.5 Evaluate and explain the outdoor room concept.
7.6 Evaluate and explain landscape design principles.
7.7 Prepare a landscape plan for construction.

Standard 8.0
Assess cost estimates for various landscape designs and packages.
Learning Expectations and Performance Indicators:
8.1 Compare the differences between wholesale merchandise, retail merchandise, an estimate, and a bid.
8.2 Prepare a maintenance-cost analysis for a landscaping project.
8.3 Determine the components of a price estimate for a landscaping project.

Standard 9.0
Evaluate the use of water in landscaping.
Learning Expectations and Performance Indicators:
9.1   Evaluate and explain the advantages and disadvantages of different types of irrigation systems.
9.2   Design an irrigation system for a residential landscape.
9.3   Identify components and tools of an irrigation system.
9.4   List and explain the seven principles of xericscaping.
9.5   Explore the various types of water gardens and pools.

Standard 10.0
Develop premier leadership and personal growth to strengthen landscaping skills.
Learning Expectations and Performance Indicators:
10.1   Prepare a six-to-eight-minute presentation and answer questions on some aspect of landscaping.
10.2   Develop a simulated supervised agricultural experience program using a landscaping business.
10.3   Prepare a short four-to-five-minute presentation simulating the explanation of concepts to a tour group.
10.4   Compare the advantages and disadvantages of new technology used in the landscaping industry.